

A717

Site	Herculaneum Road
ID #	MO606246393
Break	20
Other	10 30 00
CPM	

THE
DOE RUN
COMPANY
SMELTING DIVISION

REC'D
NOV 02 2000

APCO

October 30, 2000

Missouri Dept Of Health
Angela Minor
220 South Jefferson
St Louis Mo 63103

Angela

This is a follow-up to the survey done in late August 2000

All of the homes with children who had blood leads of 10 ug/dl or higher have had environmental investigations done during the month of October. The reports and analysis from these investigations has not yet been completed. One of the homes was a trailer setting on a trailer court. The trailer was evaluated for lead but the trailer court owner has not gotten back to me so no soil sampling was done. The trailer court is on our list to do soil replacement in the spring of 2001 if the owner agrees.

The map shows the locations of homes with children who have blood leads at 10 ug/dl or higher.

Call me if you have questions (636) 933-3112

Sincerely

Gary Walker
Gary Walker
Industrial Hygienist

CC Dave Mosby MoDNR
Tony Petruska USEPA
Dennis Diehl JCHD

40172975



SUPERFUND RECORDS

881 MAIN ST HERCULANEUM MO 63048
TELEPHONE 636 479 5311

TAB 7

SUMMARY OF THE HERCULANEUM AREA BLOOD LEAD STUDY

Tables of Information from the 2000 Blood Lead Study

Number of Children with a Blood Lead Greater than 10 - 9

Number of Children with a Blood Lead Greater than 20 - 2

* Environmental investigations to be offered on each of these homes

Comparison

<u>Year</u>	<u>Average</u>	<u>% Reduction to Year 2000</u>
1975	18.5	65%
1984	13.5	52%
1992	10.7	39%
2000	6.5	

2000 Study

	<u>Average</u>	<u>Geometric Average</u>
60 Children	6.52	5.4
13 Children (0 to .5 miles)	10.54	9.16
24 Children (.5 to 1 mile)	6.83	6.32
23 Children (1 to 1.5 miles)	3.91	3.42
42 Children (Herculaneum)	7.51	6.39
18 Children (Pevely)	4.2	3.67
5 Children	Not able to test but identified	
33 Women	1.66	1.53

Blood Leads by Sector Analysis and Distance from Smelter

Average Blood Lead (Number of Children)

<u>Sector</u>	<u>0 to 0.5 Miles</u>	<u>0.5 to 1 Mile</u>	<u>1 to 1.5 Miles</u>
A	9.2 (8)	6.8 (24)	4.2 (18)
B	6.95 (2)		
C	3.5 (1)		3.4 (3)
D	22.9 (2)		2.1 (2)


A = North to North North West

B = North North West to West

C = West to West South West

D = West South West to South

Blood Leads 10-13

 Blood Leads 20-26

Herculaneum
Sewer
District

The
Doe
Run
Company

Town
Hall

Herculaneum
High School

Barkley

Park Dr

Terrace

Stefanian Dr

Dunkin D

1/2 mile radius

High School